

## CLAIMS

1. A device for administering a liquid solution of an active substance, said device comprising a temperature sensor.
2. The device in accordance with claim 1, wherein temperature differences can be measured by the temperature sensor.
3. The device in accordance with claim 2, further comprising display means whereby a measured temperature difference is displayed whenever said temperature difference exceeds a stipulated difference within a defined time.
4. The device in accordance with claim 2, further comprising an acoustic alarm activated whenever the temperature difference exceeds a stipulated difference within a defined time.
5. The device in accordance with claim 2, further comprising a vibratory alarm activated whenever the temperature difference exceeds a stipulated difference within a defined time.
6. The device in accordance with claim 3, wherein a graphic alarm displayed whenever the temperature difference exceeds a stipulated difference within a defined time.
7. The device in accordance with claim 2, wherein the pre-programmed amount to be dispensed is automatically changed whenever the temperature difference exceeds a stipulated difference within a defined time.
8. The device in accordance with claim 2, wherein an appropriate change in the pre-programmed amount is suggested to the user of the administering device whenever the temperature difference exceeds a stipulated difference within a defined time.
9. The device in accordance with claim 2, further comprising a controller and at least one of an occlusion or leakage sensor, wherein threshold or alarm values for the at least of an occlusion

or leakage sensor are either appropriately adapted to or disconnected from the measured temperature difference via the controller.

10. The device in accordance with claim 9, wherein the solution of the active substance is insulin.

11. The device in accordance claim 2, wherein the device is a portable insulin pump.

12. The device in accordance with claim 2, wherein the device has more than one temperature sensor.

13. A device for the infusion of solutions of active substances, said device comprising a housing in which a container for a solution can be accommodated, a piston accommodated in the container in such a way that it can be displaced to cause the discharge of a dose of the solution from the container, a dispensing mechanism comprising a driven element for moving the piston and a drive device for moving the driven element, and a temperature sensor.

14. The device according to claim 13, further comprising a memory and control unit and inputs and outputs.

15. The device according to claim 14, wherein said outputs comprise at least one of a display and a signaling system.

16. The device in accordance with claim 15, wherein a temperature difference can be measured by the temperature sensor.

17. The device in accordance with claim 16, wherein a measured temperature difference is displayed whenever said temperature difference exceeds a stipulated difference within a defined time.

18. The device in accordance with claim 16, wherein an alarm is signaled when the temperature difference exceeds a stipulated difference within a defined time.
19. The device in accordance with claim 16, wherein a pre-programmed amount of solution to be infused is automatically changed whenever the temperature difference exceeds a stipulated difference within a defined time.
20. The device in accordance with claim 16, wherein an appropriate change in the pre-programmed amount of solution to be infused is suggested to the user of the device whenever the temperature difference exceeds a stipulated difference within a defined time.
21. The device in accordance with claim 16, further comprising at least one of an occlusion or leakage sensor, wherein threshold alarm values for the at least one of an occlusion or leakage sensor are either appropriately adapted to or disconnected from the measured temperature difference via the memory and control unit .